

Exhibit 8

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Micromobility Device Evaluation, Testing and Certification

We evaluate, test and certify micromobility electrical, mechanical and functional systems to global safety standards to help manufacturers bring safer, innovative mobility devices to markets around the world.

Automotive and Mobility

Automotive and Commercial Vehicles

e-Mobility

Micromobility

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Micromobility products and standards

Micromobility products, electric vehicles that weigh less than 500 kilograms and operate as a low-speed electric vehicle, typically 25 miles per hour (mph) or less, are rapidly growing in popularity and diversity. And to keep pace with these innovative products entering the market, new standards are emerging to evaluate the safety of the battery, electrical and charging systems. These new standards for safety will help ensure energy is governed and used appropriately through the thousands of cycles of micromobility device charges and discharges.

U.S. Consumer Product Safety Commission (CPSC) Micromobility Safety Guidance

On December 20, 2022, the U.S. Consumer Product Safety Commission’s (CPSC) has called on manufacturers, retailers, importers, and distributors of micromobility devices to comply with established UL safety standards. This includes products covered by UL 2272 and UL 2849, which address electrical systems in personal e-mobility devices (such as hoverboards) and eBikes, respectively. Click [here](#) to access the release from CPSC.

New York City Council’s law on micromobility devices and batteries

In a move to strengthen fire safety of e-bikes, e-scooters, and the lithium-ion batteries that power such devices, on March 2, 2023, the New York City Council passed Initiative 663-A, mandating e-bikes, e-scooters, e-mobility devices, and light electric vehicle (EV) battery packs to be third-party certified. On March 20, 2023, New York City Mayor Eric Adams signed this into law. With this new law, any company selling, leasing or distributing micromobility devices, such as e-bikes or e-scooters, has until September 16, 2023, to obtain certification from UL Solutions or another National Recognized Testing Laboratory (NRTL) to:

- UL 2849, the Standard for Electrical Systems for e-Bikes, for the electrical system of any powered bicycle sold, distributed, leased, or rented in New York City.
- UL 2272, the Standard for Electrical Systems for Personal E-Mobility Devices, for all powered mobility devices sold, distributed, leased, or rented in New York City.

Contact us

Related resources

[Guide to Micromobility](#)

[UL Solutions Statement Regarding U.S. Consumer Product Safety Commission \(CPSC\)](#)

[UL Enterprise Commends New York City Council for Life-Saving Micromobility Safe...](#)

[Marketing Guidelines for UL Solutions Customers With Product, Process, Facility...](#)

[CPSC’s Forum on Lithium-ion Battery Safety](#)



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- Learn more about the details of the law.

Consumer Product Safety Commission Forum on Lithium-ion Battery Safety
07/27/2023

Chat

system batteries

- 2014/30/EU for electromagnetic compatibility (EMC)
- 2011/65/EU for Restriction of Hazardous Substances (RoHS)
- 2014/53/EU (RED) if radio technologies are used in the device
- Machinery Directive 2006/42/EC for Product Safety
- Draft ISO 4210-10 for e-bikes to become EN standard in 2020 or 2021

Hoverboard, e-scooter and e-skateboard safety testing

Enhanced functionality and increased adoption of ride-sharing services are driving significant demand for personal e-mobility devices, such as hoverboards, e-scooters and e-skateboards. We assess electrical drive train systems, battery systems and charger system combinations to help manufacturers meet the critical safety requirements outlined in ANSI/CAN/UL 2272, the Standard for Electrical Systems for Personal E-Mobility Devices.

Micromobility service offerings



SERVICE

Over-The-Air Testing

Benefits


By tapping into our technical expertise and knowledge of emerging micromobility standards, we deliver the highest level of global regulatory acceptance and market recognition in the industry. We help you send safer micromobility devices to market.

UL certification is a **valuable marketing tool** that tells your customers that your product, process, service or company has successfully met stringent requirements. Communicating this achievement can help you win in the market by strengthening your product’s presence and differentiating it from competitors.

Why use UL Solutions

We are a recognized international leader in battery safety, and our engineers apply their unrivaled experience to deliver a comprehensive range of safety testing and certification solutions. Our global footprint and reach will help you meet safety, EMC and local requirements, and gain rapid access to markets around the world. From research and development to product development to final launch, we help you build trust in your innovative micromobility devices.

Download our case study




Micromobility battery life cycle: challenge...

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